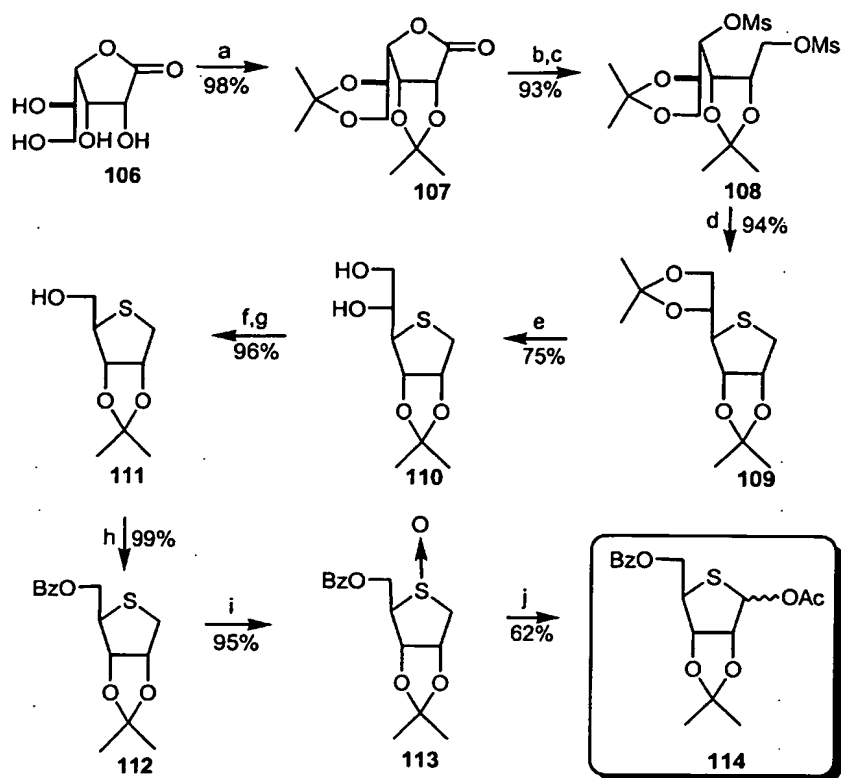


FIGURE 1

Scheme 1

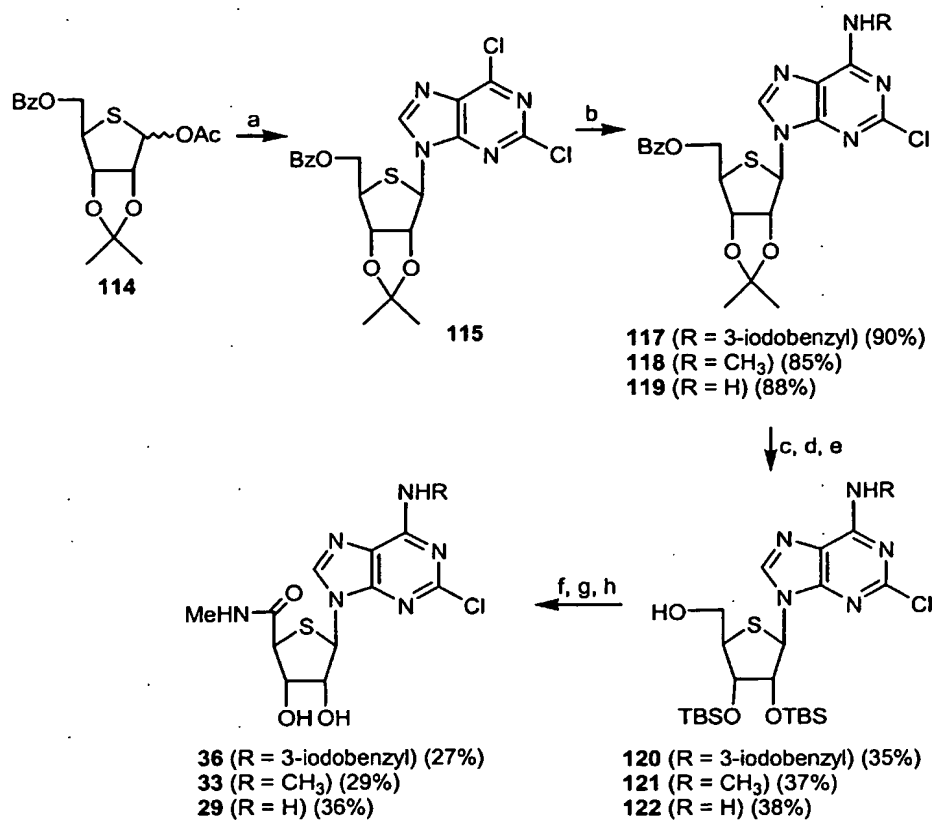


Reagents: a) CH_3COCH_3 , H_2SO_4 , CuSO_4 , rt; b) LiAlH_4 , ether; c) MsCl , Et_3N , CH_2Cl_2 ; d) Na_2S , DMF, heat; e) 30% AcOH ; f) $\text{Pb}(\text{OAc})_4$, EtOAc ; g) NaBH_4 , MeOH ; h) BzCl , pyridine; i) $m\text{CPBA}$, CH_2Cl_2 ; j) Ac_2O .

FIGURE 2

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Scheme 2



Reagents: a) silylated 2,6-dichloropurine, TMSOTf; b) RNH₂; c) 80% AcOH; d) TBSCl, DMF; e) NaOMe, MeOH; f) i. PDC, DMF, ii. K₂CO₃, (CH₃O)₂SO₂; g) 40% MeNH₂, MeOH; h) *n*-Bu₄NF, THF.

FIGURE 3